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Spectrofluorometric characterization of dissolved organic matter for indication of precursor organic material and aromaticity

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| 309 | Source tracking of dissolved organic nitrogen at the molecular level during storm events in an agricultural watershed <b>2021</b> , 810, 152183   | O |
| 308 | Groundwater-surface water interactions and flux of organic matter and nutrients in an urban, Mediterranean stream <b>2021</b> , 811, 152379   | O |

| 307 | Chromophoric dissolved organic carbon cycle and its molecular compositions and optical properties in precipitation in the Guanzhong basin, China <b>2022</b> , 814, 152775  | 1 |
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| 306 | Characterization of the vertical size distribution, composition and chemical properties of dissolved organic matter in the (ultra)oligotrophic Pacific Ocean through a multi-detection approach. <b>2022</b> , 240, 104068        | 0 |
| 305 | Source and formation process impact the chemodiversity of rainwater dissolved organic matter along the Yangtze River Basin in summer <b>2021</b> , 211, 118024  | 2 |
| 304 | Monitoring the performance of wastewater treatment plants for organic matter removal using excitation-emission matrix fluorescence. <b>2022</b> , 175, 107177   | 1 |
| 303 | Mixing of arsenic-rich groundwater and surface water in drinking water distribution systems: Implications for contaminants, disinfection byproducts and organic components <b>2021</b> , 292, 133406                              | 2 |
| 302 | Effect of the Recycling Process on Drinking Water Treatment: Evaluation Based on Fluorescence EEM Analysis Using the Peak-Picking Technique and Self-Organizing Map. <b>2021</b> , 13, 3456                                       | 1 |
| 301 | Land Use Overrides Stream Order and Season in Driving Dissolved Organic Matter Dynamics Throughout the Year in a River Network <b>2022</b> ,  | 1 |
| 300 | Carbonaceous DBP (THMs and HAAs) formation during Cl2 and ClO2 treatment of aqueous soluble fractions of soil derived natural organic matter.   | O |
| 299 | Distribution of dissolved organic carbon linked to bacterial community composition during the summer melting season in Arctic fjords. <b>2022</b> , 45, 331-343   |   |
| 298 | Water-soluble matter in PM in a coastal city over China: Chemical components, optical properties, and source analysis <b>2022</b> , 114, 21-36  | O |
| 297 | Contrasting Impacts of Photochemical and Microbial Processing on the Photoreactivity of Dissolved Organic Matter in an Adirondack Lake Watershed <b>2022</b> ,  | 0 |
| 296 | Insights into the Associations between Optical and Molecular Signatures of Dissolved Organic Matter from Urban Stormwater Runoff. <b>2022</b> , 2, 339-348  | О |
| 295 | Temporal changes in hydrochemistry and DOM characteristics of the Brahmaputra River: implication to the seasonality of water quality <b>2022</b> , 1  | О |
| 294 | Thermal post-treatment of digestate in order to increase biogas production with simultaneous pasteurization <b>2021</b> , 344, 32-39  | 1 |
| 293 | Exploring Dissolved Organic Carbon Variations in a High Elevation Tropical Peatland Ecosystem: Cerro de la Muerte, Costa Rica. <b>2022</b> , 3,   | О |
| 292 | Leveraging DOM UV absorbance and fluorescence to accurately predict and monitor short-chain PFAS removal by fixed-bed carbon adsorbers <b>2022</b> , 213, 118146  | 1 |
| 291 | Study on anaerobic co-digestion of municipal sewage sludge and fruit and vegetable wastes: methane production, microbial community and three-dimension fluorescence excitation-emission matrix analysis <b>2022</b> , 347, 126748 | 3 |
| 290 | Quantitative and qualitative characteristics of dissolved organic matter derived from biochar depending on the modification method and biochar type. <b>2022</b> , 46, 102569   | 0 |

| 289 | The spectral characteristics and cadmium complexation of soil dissolved organic matter in a wide range of forest lands <b>2022</b> , 299, 118834                          | 3 |
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| 288 | Correlative distribution of DOM and heavy metals in the soils of the Zhangxi watershed in Ningbo city, East of China <b>2022</b> , 299, 118811                            | 2 |
| 287 | The synergy of environmental and microbial variations caused by hydrologic management affects the carbon emission in the Three Gorges Reservoir <b>2022</b> , 821, 153446 | О |
| 286 | Effects of DOM characteristics from real wastewater on the degradation of pharmaceutically active compounds by the UV/HO process <b>2022</b> , 116, 220-228               | 1 |
| 285 | Biosolids leachate variability, stabilization surrogates, and optical metric selection.   | O |
| 284 | Rapid Detection of Three Common Bacteria Based on Fluorescence Spectroscopy <b>2022</b> , 22,   | Ο |
| 283 | Isotopic and geochemical tracers of groundwater flow in the Shivwits Plateau, Grand Canyon<br>National Park, USA. <b>2022</b> , 30, 495                                   |   |
| 282 | Effects of stand age and soil organic matter quality on soil bacterial and fungal community composition in Larix gmelinii plantations, Northeast China.                   | 1 |
| 281 | Does ancient permafrost-derived organic carbon affect lake zooplankton growth? An experimental study on Daphnia magna <b>2022</b> , 300, 118968                           | 1 |
| 280 | Relationship between non-point source pollution and fluorescence fingerprint of riverine dissolved organic matter is season dependent <b>2022</b> , 153617                | 2 |
| 279 | Contrasting patterns of carbon cycling and dissolved organic matter processing in two phytoplanktonBacteria communities. <b>2021</b> , 18, 6589-6616                      | 2 |
| 278 | Electro-Fenton Treatment of Landfill Leachate after Mbr Process Diluted by Electro-Fenton Effluent Through Analysis of Cod, Uv-Vis and 3d-Eem.                            |   |
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| 275 | Photodegradation of humic acid from the surrounding soils of a sub-alpine Lake Tiancai. <b>2022</b> , 34, 553-568   | О |
| 274 | Greening Urban Areas with Decentralized Wastewater Treatment and Reuse: A Case Study of Ecoparque in Tijuana, Mexico. <b>2022</b> , 14, 596                               | 1 |
| 273 | The Production of Aquatic Fluorescent Organic Matter in a Simulated Freshwater Laboratory Model <b>2022</b> , 13, 817976  |   |
| 272 | Transformations of Diatom-Derived Dissolved Organic Matter by Under Warming and Acidification Conditions <b>2022</b> , 13, 833670   | 1 |

| 271 | Evaluation of the pollutant interactions between different overlying water and sediment in simulated urban sewer system by excitation-emission matrix fluorescence spectroscopy <b>2022</b> , 1  |   |
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| 267 | Factors Controlling the Spatial Distribution of Dissolved Organic Matter With Changes in the C/N Ratio From the Upper to Lower Reaches of the Ishikari River, Japan. 10,   | O |
| 266 | Soil Organic Carbon Distribution and Its Response to Soil Erosion Based on EEM-PARAFAC and Stable Carbon Isotope, a Field Study in the Rocky Desertification Control of South China Karst <b>2022</b> , 19,  | 0 |
| 265 | Fluorescence and molecular signatures of dissolved organic matter to monitor and assess its multiple sources from a polluted river in the farming-pastoral ecotone of northern China <b>2022</b> , 154575  | 1 |
| 264 | Using DOM fluorescence to predict total mercury and methylmercury in forested headwater streams, Sleepers River, Vermont USA.  |   |
| 263 | Size and optical properties of dissolved organic matter in large boreal rivers during mixing: Implications for carbon transport and source discrimination. <b>2022</b> , 40, 101033  | 1 |
| 262 | Characteristics of Fluorescent Dissolved Organic Matter in Paddy Soil Amended With Crop Residues After Column (0图0´cm) Leaching. <b>2022</b> , 10,   | O |
| 261 | A comparative study on aggregation and sedimentation of natural goethite and artificial FeO nanoparticles in synthetic and natural waters based on extended Derjaguin-Landau-Verwey-Overbeek (XDLVO) theory and molecular dynamics simulations 2022, | 0 |
| 260 | 435, 128876 Trapped Under Ice: Spatial and Seasonal Dynamics of Dissolved Organic Matter Composition in Tundra Lakes. <b>2022</b> , 127,   | O |
| 259 | Seasonal shifts in diurnal variations of p CO 2 and O 2 in the lower Ganges River.   | O |
| 258 | Prediction of water quality based on SVR by fluorescence excitation-emission matrix and UV-Vis absorption spectrum <b>2022</b> , 273, 121059   | 1 |
| 257 | Characterization of mercury binding to different molecular weight fractions of dissolved organic matter <b>2022</b> , 431, 128593  | 1 |
| 256 | A feasible electro-Fenton treatment of landfill leachate diluted by electro-Fenton effluent: Evaluation of operational parameters, effect of dilution ratio and assessment of treatment cost. <b>2022</b> , 47, 102754                               | 2 |
| 255 | Aging behavior of microplastics affected DOM in riparian sediments: From the characteristics to bioavailability <b>2022</b> , 431, 128522  | 2 |
| 254 | Interactions between dissolved organic matter and perfluoroalkyl acids in natural rivers and lakes:<br>A case study of the northwest of Taihu Lake Basin, China <b>2022</b> , 216, 118324  | O |

| 253 | Adsorption of humic acids to lake sediments: Compositional fractionation, inhibitory effect of phosphate, and implications for lake eutrophication <b>2022</b> , 433, 128791  | 1 |
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| 252 | Relative contributions of different sources to DOM in Erhai Lake as revealed by PLS-PM <b>2022</b> , 134377   | 3 |
| 251 | Reaction kinetics of dissolved black carbon with hydroxyl radical, sulfate radical and reactive chlorine radicals <b>2022</b> , 153984  | O |
| 250 | Seasonal variation of water-soluble brown carbon in Qingdao, China: Impacts from marine and terrestrial emissions <b>2022</b> , 212, 113144   | Ο |
| 249 | Sexual hormones in a coastal river adjacent to the Bohai Sea: Characteristic pollutants and dominantly influencing factors <b>2022</b> , 212, 113133  | O |
| 248 | Analysis of the Three-Dimensional Fluorescence Spectroscopy Characteristics of Dissolved Organic Matter in Groundwater from a Subtropical Cave in Dry Season Daxiao Cave in South China Karst. <b>2021</b> , 13, 3574 |   |
| 247 | Response of Chlorophyll Fluorescence Characteristics and Dissolved Organic Matter for Marine Diatom under Stress from Penicillin and Zn <b>2021</b> , 10,   | 1 |
| 246 | The Optical Characterization and Distribution of Dissolved Organic Matter in Water Regimes of Qilian Mountains Watershed <b>2021</b> , 19,  | 1 |
| 245 | The Estimation of Chemical Oxygen Demand of Erhai Lake Basin and Its Links with DOM Fluorescent Components Using Machine Learning. <b>2021</b> , 13, 3629   | 1 |
| 244 | The contribution of deadwood to soil carbon dynamics in contrasting temperate forest ecosystems. <b>2022</b> , 141, 241-252   | 1 |
| 243 | Temporal and Spatial Distribution and Fluorescence Spectra of Dissolved Organic Matter in Plateau Lakes: A Case Study of Qinghai Lake. <b>2021</b> , 13, 3481   |   |
| 242 | Seasonal Changes of Organic Carbon Mixing, Degradation and Deposition in Yangtze River Dominated Margin Related to Intrinsic Molecular and External Environmental Factors. <b>2021</b> , 126,                         | Ο |
| 241 | Changes of DOM and its correlation with internal nutrient release during cyanobacterial growth and decline in Lake Chaohu, China. <b>2023</b> , 124, 769-781  | 3 |
| 240 | Effects of dissolved organic matter characteristics on the photosensitized degradation of pharmaceuticals in wastewater treatment wetlands <b>2022</b> ,  | O |
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| 238 | The optical properties and in-situ observational evidence for the formation of brown carbon in clouds. <b>2022</b> , 22, 4827-4839  | O |
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| 236 | Changes in the Dissolved Organic Matter Characteristics Released from Sediment According to Precipitation in the Namhan River with Weirs: A Laboratory Experiment <b>2022</b> , 19,                                   | 1 |

| 235 | Integrating 16S rRNA amplicon metagenomics and selective culture for developing thermophilic bacterial inoculants to enhance manure composting <b>2022</b> , 144, 357-365 | 1 |
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| 234 | Impacts of haze on the photobleaching of chromophoric dissolved organic matter in surface water <b>2022</b> , 212, 113305   |   |
| 233 | Iodine distribution and volatilization in contrasting forms of forest humus during a laboratory incubation experiment <b>2022</b> , 248, 106872                           | 0 |
| 232 | Data_Sheet_1.docx. <b>2020</b> ,  |   |
| 231 | Data_Sheet_2.csv. <b>2020</b> ,   |   |
| 230 | Table_1.docx. <b>2020</b> ,   |   |
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| 225 | Data_Sheet_1.docx. <b>2020</b> ,  |   |
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| 223 | Table_1.xlsx. <b>2019</b> ,   |   |
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| 216 | Whole process analysis on the efficiency of RBC+SBNR+[Fenton+BAF]&lt;sup&lt;/sup&gt; full-scale facilities for mature landfill leachate treatment. <b>2022</b> ,                       |   |
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| 214 | Facile Differentiation of Four Sources of Water-Soluble Organic Carbon in Atmospheric Particulates Using Multiple Fluorescence Spectral Fingerprints. <b>2022</b> , 9, 359-365         | O |
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| 212 | Production and transformation of organic matter driven by algal blooms in a shallow lake: Role of sediments <b>2022</b> , 219, 118560  | O |
| 211 | Riverine dissolved organic matter (DOM) as affected by urbanization gradient 2022, 212, 113457   | О |
| 210 | Molecular and spectroscopic changes of peat-derived organic matter following photo-exposure: Effects on heteroatom composition of DOM <b>2022</b> , 155790                             | 1 |
| 209 | Lowland plant arrival in alpine ecosystems facilitates a decrease in soil carbon content under experimental climate warming <b>2022</b> , 11,  | O |
| 208 | Disinfection byproducts formed during drinking water treatment reveal an export control point for dissolved organic matter in a subalpine headwater stream <b>2022</b> , 15, 100144    | 1 |
| 207 | Molecular compositions, optical properties, and implications of dissolved brown carbon in snow/ice on the Tibetan Plateau glaciers <b>2022</b> , 164, 107276                           | 1 |
| 206 | Bacterial Transformation and Processing of Diatom-Derived Organic Matter: A Case Study for <b>2022</b> , 13, 840564  |   |
| 205 | Characteristics of Chromophoric Dissolved Organic Matter (CDOM) Produced by Heterotrophic Bacteria Isolated from Aquaculture Systems. <b>2022</b> , 10, 672                            |   |
| 204 | Dry-Wet Cycles Affect Nitrous Oxide Emissions Across Aquatic-Terrestrial Interfaces: A Mesocosms Study. <b>2022</b> , 2,   | O |
| 203 | Effect of ventilation quantity on electron transfer capacity and spectral characteristics of humic substances during sludge composting <b>2022</b> ,                                   | О |
| 202 | Unified understanding of intrinsic and extrinsic controls of dissolved organic carbon reactivity in aquatic ecosystems.  | O |
| 201 | Dissolved organic matter within oil and gas associated wastewaters from U.S. unconventional petroleum plays: Comparisons and consequences for disposal and reuse. <b>2022</b> , 156331 |   |
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| 193 | The Determination and Prediction of the Second-Order Rate Constants for Reactions between Excited Triplet-State Dom and Selected Ppcps.   |   |
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| 191 | Characteristics of Dissolved Organic Matter in Sediments of Typical Lakes in Southeastern Hubei Province, China. <b>2022</b> , 19, 7402   |   |
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| 188 | Effect of optimized intermittent mixing during high-solids anaerobic co-digestion of food waste and sewage sludge: Simulation, performance, and mechanisms. <b>2022</b> , 156882                      | O |
| 187 | Catchment controls of denitrification and nitrous oxide production rates in headwater remediated agricultural streams. <b>2022</b> , 838, 156513  | 1 |
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| 184 | The Photosensitivity Sources of Dissolved Organic Matter from Wastewater Treatment Plants and Mediates 17Æthinylestradiol Photodegradation.   |   |
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| 169 | Spatio-temporal variation of Dissolved Organic Matter (DOM) in the Bohai Sea and the Yellow Sea. <b>2022</b> , 234, 103777  |   |
| 168 | Characteristics of Dissolved Organic Matter in a Semi-closed Bay in Summer: Insights from Stable Isotope and Optical Analyses. 9,   | O |
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| 166 | Seasonal variations of fluorescent dissolved organic matter control estrone biodegradation potential in eutrophic waters affected by allochthonous and autochthonous sources. <b>2022</b> , 612, 128227         | O |
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| 163 | Application of Excitation-Emission Matrix Fluorescence (EEMF) in the Wastewater Field.   |   |
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| 148 | Investigation on characteristics of landfill leachate and feasibility study of low-temperature vacuum evaporation treatment. <b>2022</b> , 10, 108451                                    | O |
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| 143 | Changes in soil dissolved organic matter optical properties during peatland succession. <b>2022</b> , 143, 109386  | 1 |
| 142 | Impact of environmental factors and tributary contributions on tidal dissolved organic matter dynamics. <b>2022</b> , 308, 136384  | 1 |
| 141 | Decomposition and Humification Process of Domestic Biodegradable Waste by Black Soldier Fly (Hermetia Illucens L.) Larvae from the Perspective of Dissolved Organic Matter.                                    | O |
| 140 | Impact of beaver ponds on biogeochemistry of organic carbon and nitrogen along a fire-impacted stream.   | Ο |
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| 138 | A new view into three-dimensional excitation-emission matrix fluorescence spectroscopy for dissolved organic matter. <b>2023</b> , 855, 158963   | 1 |
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| 132 | Low maintenance anammox enrichment and nitrogen removal with an anaerobic baffled reactor. <b>2022</b> , 128047  | О |
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| 125 | Comprehensive spectral analysis of reaction of three aldehydes with ammonium sulfate and glycine. <b>2022</b> , 291, 119390  | 0 |
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| 121 | Contrasting seasons and land uses alter riverine dissolved organic matter composition. 2022, 161, 207-226  | Ο |
| 120 | Characterization of Dissolved Organic Matter of Sediments in Urban Streams Using EEMsBARAFAC and Absorption Spectroscopy: A Case Study in Wuhan, China. <b>2022</b> , 14, 3181   | 1 |
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| 60 | Decomposition and humification process of domestic biodegradable waste by black soldier fly (Hermetia illucens L.) larvae from the perspective of dissolved organic matter. <b>2023</b> , 137861                    | O |
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| 55 | Response of dissolved organic matter chemistry to flood control of a large river reservoir during an extreme storm event. <b>2023</b> , 230, 119565  | O |
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